Edwards Audio

User manual MC2

Thank you for purchasing an Edwards audio phono stage, with care over the correct installation we are sure that it will give many years of pleasure.

CONNECTIONS

The main MC2 should be placed on a separate shelf next to or near your Turntable. Connect your turntables arm leads to the sockets marked 'input' observing Red for RIGHT and White/Black for LEFT. If you have an additional Earth or Ground cable attach this to the GND terminal provided above the input sockets. Depending on your systems grounding arrangements it may or may not be necessary to connect this, so if you can hear a hum through your speakers try connecting/disconnecting this wire. Next connect an additional pair of high quality RCA Phono cables (not supplied) between the output sockets and any available LINE input on your amplifier, this is usually marked AUX. Next the Power supply should be plugged in to any available AC outlet near to your system then plug the Mini Din into the socket marked DC on the rear of the MC2. Please observe the polarity and do not force the plug into the socket else damage may occur. To power 'ON' switch on the AC power supply at the wall, there is no power switch on the phono stage itself.

LISTENING

At this point it may be a good idea to try playing a record by selecting Aux on your amplifier (or whatever input you used to plug the MC2 into) and advancing the volume control slowly, hopefully music will be heard. Assuming all is well, lift the needle from the groove and check that there are no hums or buzzes, if there are, experiment with the position of the MC2 and or the ground connection, it may well be that the quietest position is not on a shelf at all. There are no hard and fast rules as to where to best position the MC2, basically the quieter it is the better it will sound, all you should hear is a feint hiss, if this is on the floor behind your equipment rack the so be it. Don't be worried about where it is, it's position and orientation will have no detrimental effect on the MC2's function or reliability.

Front panel LED

You can turn off the front panel LED indicator, should you desire by removing the yellow jumper (J1 on diagram 2) from the front of the PCB, This can be accessed by removing the 4 screws on the rear panel marked in red on diagram 1. and sliding the PCB out backwards, see diagram 1.

MM - operation.

The factory default is the MC setting but if you wish to use this with an Mm or HOMC cartridge this can be set by moving the 4 yellow jumpers marked J3,J4,J5,J6 in diagram 2 to their alternate positions. These jumpers can be accessed by removing the 4 screws on the rear panel marked in red on diagram 1, (excluding the GND terminal) and sliding the PCB out backwards. There are no user serviceable parts inside, so please do not be tempted to play or modify any part of the MC2, this will invalidate your guarantee.

Diagram 1

WARP FILTER,

There is a warp filter function which operates at a very low frequency of around 7Hz. This frequency was chosen as it is around the common arm/cartridge resonant frequency and helps to remove any excessive cone movements in your speakers due to this as you play a record. It can be disabled by moving 2 yellow jumpers J14 & J15 on diagram 2 to their alternate positions

WORLDWIDE GUARANTEE

This entitles you to have the unit repaired free of charge, during the first ten years after purchase, provided that it was originally purchased from an authorised Talk/Edwards Audio dealer or distributor. The manufacturer can take no responsibility for defects arising from accident, misuse, abuse, wear and tear, neglect or through unauthorised adjustment and/or repair, neither can they accept responsibility for damage or loss occurring during transit to
or from the person claiming under the guarantee. THE WARRANTY COVERS Parts and labour costs for ten years from the purchase date. After ten years you must pay for both parts and labour costs. The warranty does not cover transportation costs at anytime.

CLAIMS UNDER GUARANTEE

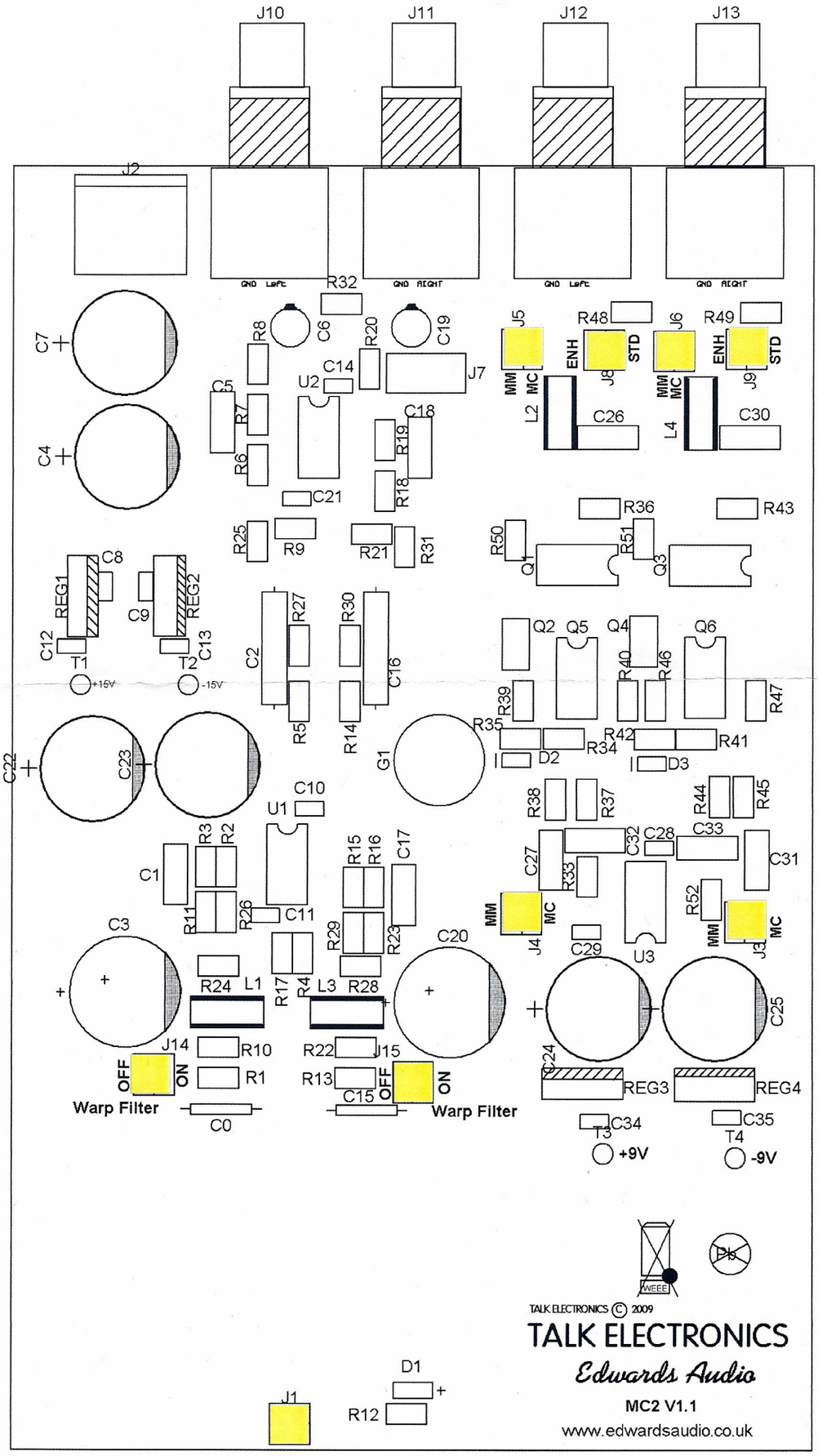
This equipment should be packed in the original packing and returned to the dealer from whom it was purchased, or failing this, directly to the Talk/Edwards Audio distributor in the country of residence. It should be sent carriage prepaid by a reputable carrier – NOT by post. No responsibility can be accepted for the unit whilst in transit to the dealer or
distributor and customers are therefore advised to insure the unit against loss or damage whilst in transit. The Edwards Audio MM1 has been manufactured to conform with the protection requirements of the EC Council directive 89/336/EEC relating to EMC by application of the following standards:-
EN50081-1 1997 Emissions Standard
EN50082-1 1997 Immunity Standard
and also the requirements of the EC low voltage directive relating to electrical safety by application of the following standard:-
BSEN/IEC60065: 2002 International Safety standard For the purposes of testing the MC2 was used with the high quality interconnects supplied by Merlin Cables. Compliance with the above standards may only be made if the unit is
installed as per this manual and using the correct cables.

Specifications.

Max Input MC	10mV
Nominal Input	0.1-1mV
Max Gain MC input (MM)	63dB(40dB)
THD Distortion	<0.006% 1kHz - <0.02% 20kHz
Signal to noise	-72dB A-Weighted
RIAA	within 0.25dB
Frequency response	20-100kHz within 0.3dB
Stereo separation better than	55dB - 20-20kHz
Input Loading MC/MM	100R with 2n2/47K with 120pF
Output impedance	<10 Ohms
Nominal output	100mV - 1V
Max output level	9.8v depending upon input
Dimensions WxHxL	114.5mm x 47.5mm x 160mm
Weight	0.5kg
Power consumption (Max)	3.5W

Edwards Audio is part of TALK Electronics
3 Eliot Close, Camberley, Surrey GU15 1LW UK
Telephone 08456 123388 or 07736 421928 - fax 01276 613250
email:- info@talkelectronics.com website:- www.talkelectronics.com

Diagram 2


J10
J11
J12
J13
J2
GND Left
GND RIGHT
GND Left
GND RIGHT
R32
C7
C4
R8
C6
R20
C19
J5
R48
J6
R49
ENH
STD
MM
MC
J8
J9
C5
U2
C14
J7
R7
R6
C18
R19
R18
C21
L2
C26
L4
C30
R25
R9
R21
R31
R36
R43
R50
Q1
R51
Q3
C8
REG1
C9
REG2
C12
C13
T1
T2
+15V
-15V
C2
R27
R30
C16
R5
R14
Q2
Q5
Q4
Q6
R40
R46
R39
R47
R35
R42
R41
R34
D2
D3
G1
C22
C23
C10
U1
R38
R37
R44
R45
C1
R3
R2
R15
R16
C17
C27
C32
C28
C33
C31
R33
R11
R26
C11
R52
J4
J3
C3
R29
R23
C20
C29
U3
R24
L1
R17
R4
L3
R28
C25
J14
R10
R22
J15
OFF
ON
R1
R13
C15
Warp Filter
Warp Filter
C0
Q2
REG3
REG4
C34
C35
T3
T4
+9V
-9V
WEEE
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Edwards Audio
MC2 V1.1
www.edwardsaudio.co.uk
D1
J1
R12